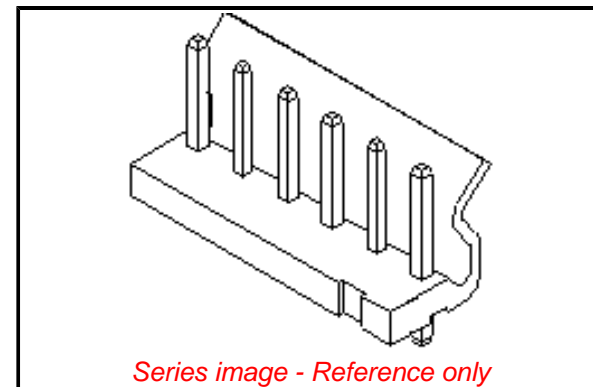


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0010321091](#)  
**Status:** **Active**  
**Overview:** [KK® Interconnect System - Molex](#)  
**Description:** 5.08mm Pitch SPOX™ Wire-to-Board Header, Vertical, with Friction Lock, 9 Circuits

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                | <a href="#">Product Specification PS-5197-004 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                           | <a href="#">Product Specification PS-5281-002-001 (PDF)</a> |
| <a href="#">Product Specification PS-5197-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |
| <a href="#">Product Specification PS-5197-003 (PDF)</a> |   |



**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                     |
| Series         | <a href="#">5281</a>                            |
| Application    | Power, Wire-to-Board                            |
| Overview       | <a href="#">KK® Interconnect System - Molex</a> |
| Product Name   | SPOX™   |
| UPC            | 800753611078                                    |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 9               |
| Circuits (maximum)             | 9               |
| Color - Resin                  | Natural         |
| Durability (mating cycles max) | 30              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-2           |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 3582.200/mg     |
| Number of Rows                 | 1               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 3.60mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface       | 5.08mm          |
| Plating min - Mating           | 5.080µm         |
| Plating min - Termination      | 5.080µm         |
| Polarized to PCB               | No              |
| Shrouded                       | Partial         |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[5281](#) Series

**Mates With**

[5197](#) SPOX™ Crimp Terminal Housing

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

7.0A  
250V

**Material Info**

Engineering Number

5281-09A

**Reference - Drawing Numbers**

Product Specification

PS-5197-001, PS-5197-003, PS-5197-004,  
PS-5281-002-001

Sales Drawing

SD-5281-001

This document was generated on 12/27/2016

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